

Arvados - Bug #14560

[1.3.0] error: ERROR: string is too long for tsvector (2299194 bytes, max 1048575 bytes)

12/01/2018 07:10 PM - Ward Vandewege

Status:	Resolved	Start date:	
Priority:	Urgent	Due date:	
Assigned To:	Tom Clegg	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	2018-12-12 Sprint		
Description			
Upgrading qr1hi's API server failed with this error:			
Setting up arvados-api-server (1.3.0-1) ...			
Assumption: nginx is configured to serve Rails from /var/www/arvados-api/current			
Assumption: nginx and passenger run as www-data			
Creating symlinks to configuration in /etc/arvados/api done.			
Running bundle install... done.			
Ensuring directory and file permissions done.			
Running db:migrate...Defaulting to memory cache, because /var/www/arvados-api/current/tmp/cache owner (uid=33) is not me (uid=0)			
The PGconn, PGresult, and PGError constants are deprecated, and will be removed as of version 1.0.			
You should use PG::Connection, PG::Result, and PG::Error instead, respectively.			
Called from /var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activesupport-4.2.10/lib/active_support/dependencies.rb:240:in `load_dependency'			
== 20180917205609 RecomputeFileNamesIndex: migrating =====			
WARNING: there is already a transaction in progress			
rake aborted!			
StandardError: An error has occurred, this and all later migrations canceled:			
PG::ProgramLimitExceeded: ERROR: string is too long for tsvector (2299194 bytes, max 1048575 bytes)			
: update collections set file_names=\$1 where portable_data_hash=\$2			
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_adapters/postgresql_adapter.rb:602:in `exec_prepared'			
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_adapters/postgresql_adapter.rb:602:in `block in exec_cache'			
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_adapters/abstract_adapter.rb:484:in `block in log'			
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activesupport-4.2.10/lib/active_support/notifications/instrumenter.rb:20:in `instrument'			
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_adapters/abstract_adapter.rb:478:in `log'			
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/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_adapters/postgresql_adapter.rb:585:in `execute_and_clear'			
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_adapters/postgresql/database_statements.rb:160:in `exec_query'			
/var/www/arvados-api/current/db/migrate/20180917205609_recompute_file_names_index.rb:9:in `block in do_batch'			
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/relation/delegation.rb:46:in `each'			
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/relation/delegation.rb:46:in `each'			

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/var/www/arvados-api/current/db/migrate/20180917205609_recompute_file_names_index.rb:8:in `do_batch'  
/var/www/arvados-api/current/db/migrate/20180917205609_recompute_file_names_index.rb:40:in `block  
in up'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/re  
lation/delegation.rb:46:in `each'  
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/var/www/arvados-api/current/db/migrate/20180917205609_recompute_file_names_index.rb:35:in `up'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/mi  
gration.rb:611:in `exec_migration'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/mi  
gration.rb:592:in `block (2 levels) in migrate'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/mi  
gration.rb:591:in `block in migrate'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/co  
nnection_adapters/abstract/connection_pool.rb:292:in `with_connection'  
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gration.rb:1023:in `block in execute_migration_in_transaction'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/mi  
gration.rb:1069:in `block in ddl_transaction'  
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nnection_adapters/abstract/transaction.rb:184:in `within_new_transaction'  
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gration.rb:1022:in `execute_migration_in_transaction'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/mi  
gration.rb:984:in `block in migrate'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/mi  
gration.rb:980:in `each'  
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/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/ra  
ilties/databases.rake:44:in `block (2 levels) in <top (required)>'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/rake-12.3.1/exe/rake:27:in `<top (requir  
ed)>'  
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/cli/exec.rb:75:in `load'  
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/cli/exec.rb:75:in `kernel_load'  
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/cli/exec.rb:28:in `run'  
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/cli.rb:424:in `exec'  
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/vendor/thor/lib/thor/command.rb:27:  
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/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/cli.rb:27:in `dispatch'  
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/vendor/thor/lib/thor/base.rb:466:in  
`start'  
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/cli.rb:18:in `start'
```

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/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/exe/bundle:30:in `block in <top (required)>'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/friendly_errors.rb:122:in `with_friendly_errors'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/exe/bundle:22:in `'
/usr/local/rvm/gems/ruby-2.3.5/bin/ruby_executable_hooks:15:in `eval'
/usr/local/rvm/gems/ruby-2.3.5/bin/ruby_executable_hooks:15:in `'
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Caused by:

```
ActiveRecord::StatementInvalid: PG::ProgramLimitExceeded: ERROR: string is too long for tsvector (2299194 bytes, max 1048575 bytes)
: update collections set file_names=$1 where portable_data_hash=$2
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_adapters/postgresql_adapter.rb:602:in `exec_prepared'
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/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_adapters/abstract_adapter.rb:484:in `block in log'
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/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_adapters/postgresql_adapter.rb:585:in `execute_and_clear'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_adapters/postgresql/database_statements.rb:160:in `exec_query'
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/var/www/arvados-api/current/db/migrate/20180917205609_recompute_file_names_index.rb:40:in `block in up'
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/var/www/arvados-api/current/db/migrate/20180917205609_recompute_file_names_index.rb:35:in `up'
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/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:592:in `block (2 levels) in migrate'
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/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:768:in `migrate'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:1023:in `block in execute_migration_in_transaction'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:1069:in `block in ddl_transaction'
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/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/tr
```

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ansactions.rb:220:in `transaction'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/mi  
gration.rb:1069:in `ddl_transaction'  
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gration.rb:984:in `block in migrate'  
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/mi  
gration.rb:980:in `each'  
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Caused by:

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PG::ProgramLimitExceeded: ERROR: string is too long for tsvector (2299194 bytes, max 1048575 byte  
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/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/mi
gration.rb:590:in `migrate'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/mi
gration.rb:768:in `migrate'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/mi
gration.rb:1023:in `block in execute_migration_in_transaction'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/mi
gration.rb:1069:in `block in ddl_transaction'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/co
nnection_adapters/abstract/database_statements.rb:213:in `block in transaction'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/co
nnection_adapters/abstract/transaction.rb:184:in `within_new_transaction'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/co
nnection_adapters/abstract/database_statements.rb:213:in `transaction'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/tr
ansactions.rb:220:in `transaction'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/mi
gration.rb:1069:in `ddl_transaction'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/mi
gration.rb:1022:in `execute_migration_in_transaction'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/mi
gration.rb:984:in `block in migrate'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/mi
gration.rb:980:in `each'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/mi
gration.rb:980:in `migrate'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/mi
gration.rb:823:in `up'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/mi
gration.rb:801:in `migrate'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/ta
sks/database_tasks.rb:139:in `migrate'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/ra
ilties/databases.rake:44:in `block (2 levels) in <top (required)>'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/rake-12.3.1/exe/rake:27:in `<top (requir
ed)>'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/cli/exec.rb:75:in `load'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/cli/exec.rb:75:in `kernel_load'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/cli/exec.rb:28:in `run'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/cli.rb:424:in `exec'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/vendor/thor/lib/thor/command.rb:27:
in `run'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/vendor/thor/lib/thor/invocation.rb:
126:in `invoke_command'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/vendor/thor/lib/thor.rb:387:in `dis
patch'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/cli.rb:27:in `dispatch'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/vendor/thor/lib/thor/base.rb:466:in
```

```
`start'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/cli.rb:18:in `start'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/exe/bundle:30:in `block in <top (required)>'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/friendly_errors.rb:122:in `with_fri
endly_errors'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/exe/bundle:22:in `<top (required)>'
/usr/local/rvm/gems/ruby-2.3.5/bin/bundle:23:in `load'
/usr/local/rvm/gems/ruby-2.3.5/bin/bundle:23:in `<main>'
/usr/local/rvm/gems/ruby-2.3.5/bin/ruby_executable_hooks:15:in `eval'
/usr/local/rvm/gems/ruby-2.3.5/bin/ruby_executable_hooks:15:in `<main>'
Tasks: TOP => db:migrate
(See full trace by running task with --trace)
  failed.
dpkg: error processing package arvados-api-server (--configure):
 subprocess installed post-installation script returned error exit status 1
Errors were encountered while processing:
 arvados-api-server
```

Related issues:

- Related to Arvados - Story #14611: [Epic] Site-wide search for text, filename... **Duplicate**
- Related to Arvados - Bug #14983: [API] searching for "test" on c97qk takes a ... **Closed**

Associated revisions

Revision cc059aea - 12/02/2018 02:09 AM - Peter Amstutz

Merge branch '14560-tsvector-too-long' refs #14560

Arvados-DCO-1.1-Signed-off-by: Peter Amstutz <pamstutz@veritasgenetics.com>

Revision 3131146a - 12/03/2018 05:00 PM - Tom Clegg

14560: Limit to_tsvector input to 8K.

refs #14560

refs #13752

Arvados-DCO-1.1-Signed-off-by: Tom Clegg <tclegg@veritasgenetics.com>

History

#1 - 12/01/2018 07:10 PM - Ward Vandewege

- Description updated

- Priority changed from Normal to Urgent

#3 - 12/01/2018 07:58 PM - Tom Clegg

#13752#note-15 says

Evidently file_names was already dropped from the (non-full-text) index.

...but it's still in the full-text index.

```
CREATE INDEX collections_full_text_search_idx ON public.collections USING gin (to_tsvector( [...] || COALESCE(file_names, ("::character
varying)::text))));
```

<https://www.postgresql.org/docs/9.6/textsearch-limitations.html>:

The length of a tsvector (lexemes + positions) must be less than 1 megabyte

#4 - 12/01/2018 09:17 PM - Tom Clegg

It seems the error text "string is too long for tsvector" is misleading. This 27 MB string is not too long for tsvector:

```
select to_tsvector(repeat('abcdefghijklmnopqrstuvwxyx ',2000000));
```

Hopefully, limiting the input to 1M is an effective way to ensure the output doesn't exceed 1M.

#5 - 12/01/2018 09:19 PM - Tom Clegg

14560-tsvector-too-long @ [2ab2ec271e09c54f6e7e1d4c3adbd1d76e56f1cd](https://ci.curoverse.com/view/Developer/job/developer-run-tests/993/)
<https://ci.curoverse.com/view/Developer/job/developer-run-tests/993/>

#6 - 12/01/2018 09:19 PM - Tom Clegg

- Status changed from New to In Progress
- Assigned To set to Tom Clegg

#8 - 12/01/2018 10:59 PM - Tom Clegg

With an example that crashes:

N	length(to_tsvector(substr(filename,0,N)))
1000000	3745
3000000	10270
5000000	16813
7000000	23337
8000000	1072758 (crash)
9000000	1206574 (crash)
10000000	1332902 (crash)

#9 - 12/02/2018 01:55 AM - Peter Amstutz

Tom Clegg wrote:

14560-tsvector-too-long @ [2ab2ec271e09c54f6e7e1d4c3adbd1d76e56f1cd](https://ci.curoverse.com/view/Developer/job/developer-run-tests/993/)
<https://ci.curoverse.com/view/Developer/job/developer-run-tests/993/>

Seems like it should work. I don't see any reason to_tsvector(substr(...)) would be a problem for the index. I guess that's a "looks good enough to me", I haven't tested directly.

For the sake of argument, an alternate fix might be to go back to truncating the file_names column like we did before (either way, we will be missing some filenames from the search index for large collections).

I'm pretty sure length(to_tsvector(join(" ", filenames))) isn't returning bytes, but I'm not sure exactly what it is counting (length of the text search vector obviously... maybe unique lexemes?)

Post 1.3 we'll need to revisit alternatives to full text search indexes for filenames, eg <https://dev.arvados.org/issues/13752#note-7>

#10 - 12/02/2018 02:11 AM - Peter Amstutz

Peter Amstutz wrote:

Tom Clegg wrote:

14560-tsvector-too-long @ [2ab2ec271e09c54f6e7e1d4c3adbd1d76e56f1cd](https://ci.curoverse.com/view/Developer/job/developer-run-tests/993/)
<https://ci.curoverse.com/view/Developer/job/developer-run-tests/993/>

Seems like it should work. I don't see any reason to_tsvector(substr(...)) would be a problem for the index. I guess that's a "looks good enough to me", I haven't tested directly.

I went ahead and merged this so we can have packages to test with.

#11 - 12/02/2018 04:15 AM - Tom Clegg

Peter Amstutz wrote:

I'm pretty sure length(to_tsvector(join(" ", filenames))) isn't returning bytes, but I'm not sure exactly what it is counting (length of the text search vector obviously... maybe unique lexemes?)

The rule is [length of a tsvector \(lexemes + positions\) must be less than 1 megabyte](#) and the error refers to a number of bytes, so I suspect "length" is the encoded/stored size.

Whatever it is, it seems like length(to_tsvector()) does return the length mentioned in the rule/error: in all cases I've tried, either it's less than 1048576,

or to_tsvector() throws the "max 1048575 bytes" error.

This will be a slow migration. Let's make sure the new index still performs well before this gets into a release.

#12 - 12/03/2018 04:31 PM - Ward Vandewege

Trying with cc059aea76194417f5aaf37073b3ae530219b11e:

```
Error: Could not update: Execution of '/usr/bin/apt-get -q -y -o DPkg::Options::=--force-confold install arva
os-api-server' returned 100: Reading package lists...
Building dependency tree...
Reading state information...
The following packages will be upgraded:
  arvados-api-server
1 upgraded, 0 newly installed, 0 to remove and 255 not upgraded.
Need to get 29.4 MB of archives.
After this operation, 46.1 kB of additional disk space will be used.
Get:1 http://apt.arvados.org xenial-dev/main amd64 arvados-api-server amd64 1.3.0-1 [29.4 MB]
Fetched 29.4 MB in 1s (15.1 MB/s)
(Reading database ... 111304 files and directories currently installed.)
Preparing to unpack .../arvados-api-server_1.3.0-1_amd64.deb ...
Unpacking arvados-api-server (1.3.0-1) over (1.2.1-1) ...
Setting up arvados-api-server (1.3.0-1) ...
```

```
Assumption: nginx is configured to serve Rails from
  /var/www/arvados-api/current
```

```
Assumption: nginx and passenger run as www-data
```

```
Creating symlinks to configuration in /etc/arvados/api ..... done.
Running bundle install... done.
Ensuring directory and file permissions ..... done.
Running db:migrate...Defaulting to memory cache, because /var/www/arvados-api/current/tmp/cache owner (uid=33)
  is not me (uid=0)
The PGconn, PGresult, and PGError constants are deprecated, and will be
  removed as of version 1.0.
```

You should use PG::Connection, PG::Result, and PG::Error instead, respectively.

```
Called from /var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activesupport-4.2.10/lib/active_support/
dependencies.rb:240:in `load_dependency'
== 20180917200000 ReplaceFullTextIndexes: migrating =====
-- execute("DROP INDEX IF EXISTS collections_full_text_search_idx")
  -> 0.8383s
-- execute("CREATE INDEX collections_full_text_search_idx ON collections USING gin(to_tsvector('english', subs
tr(coalesce(owner_uid,'') || ' ' || coalesce(modified_by_client_uid,'') || ' ' || coalesce(modified_by_user_
uid,'') || ' ' || coalesce(portable_data_hash,'') || '
' || coalesce(uid,'') || ' ' || coalesce(name,'') || ' ' || coalesce(description,'') || ' ' || coalesce(prop
erties::text,'') || ' ' || coalesce(file_names,''), 0, 1000000)))")
  -> 46.5404s
-- execute("DROP INDEX IF EXISTS container_requests_full_text_search_idx")
  -> 0.0196s
-- execute("CREATE INDEX container_requests_full_text_search_idx ON container_requests USING gin(to_tsvector('
english', substr(coalesce(uid,'') || ' ' || coalesce(owner_uid,'') || ' ' || coalesce(modified_by_client_uui
d,'') || ' ' || coalesce(modified_by_user_uid,'') || ' ' || coalesce(name,'') || ' ' || coalesce(description,
'') || ' ' || coalesce(properties::text,'') || ' ' || coalesce(state,'') || ' ' || coalesce(requesting_contain
er_uid,'') || ' ' || coalesce(container_uid,'') || ' ' || coalesce(runtime_constraints::text,'') || ' ' || c
oalesce(container_image,'') || ' ' || coalesce(environment::text,'') || ' ' || coalesce(cwd,'') || ' ' || coal
esce(command::text,'') || ' ' || coalesce(output_path,'') || ' ' || coalesce(filters,'') || ' ' || coalesce(sc
heduling_parameters::text,'') || ' ' || coalesce(output_uid,'') || ' ' || coalesce(log_uid,'') || ' ' || coa
lesce(output_name,''), 0, 1000000)))")
  -> 4.3381s
-- execute("DROP INDEX IF EXISTS groups_full_text_search_idx")
  -> 0.0056s
-- execute("CREATE INDEX groups_full_text_search_idx ON groups USING gin(to_tsvector('english', substr(coal
esce(uid,'') || ' ' || coalesce(owner_uid,'') || ' ' || coalesce(modified_by_client_uid,'') || ' ' || coalesc
e(modified_by_user_uid,'') || ' ' || coalesce(name,'') || ' ' || coalesce(description,'') || ' ' || coalesce(g
roup_class,'') || ' ' || coalesce(properties::text,''), 0, 1000000)))")
  -> 0.1267s
-- execute("DROP INDEX IF EXISTS jobs_full_text_search_idx")
  -> 0.0183s
-- execute("CREATE INDEX jobs_full_text_search_idx ON jobs USING gin(to_tsvector('english', substr(coal
esce(uid,'') || ' ' || coalesce(owner_uid,'') || ' ' || coalesce(modified_by_client_uid,'') || ' ' || coalesc
e(modified_by_user_uid,'') || ' ' || coalesce(submit_id,'') || ' ' || coalesce(script,'') || ' ' || coalesce(scrip
t_version,'') || ' ' || coalesce(script_parameters::text,'') || ' ' || coalesce(cancelled_by_client_uid,'') |
| ' ' || coalesce(cancelled_by_user_uid,'') || ' ' || coalesce(output,'') || ' ' || coalesce(is_locked_by_uui
```



```

d,') || ' ' || coalesce(log,'') || ' ' || coalesce(tasks_summary::text,'') || ' ' || coalesce(runtime_constr
ints::text,'') || ' ' || coalesce(repository,'') || ' ' || coalesce(supplied_script_version,'') || ' ' || coal
esce(docker_image_locator,'') || ' ' || coalesce(description,'') || ' ' || coalesce(state,'') || ' ' || coales
ce(arvados_sdk_version,'') || ' ' || coalesce(components::text,''), 0, 1000000)))"
-> 27.6990s
-- execute("DROP INDEX IF EXISTS pipeline_instances_full_text_search_idx")
-> 0.0008s
-- execute("CREATE INDEX pipeline_instances_full_text_search_idx ON pipeline_instances USING gin(to_tsvector('
english', substr(coalesce(uuid,'') || ' ' || coalesce(owner_uuid,'') || ' ' || coalesce(modified_by_client_uui
d,'') || ' ' || coalesce(modified_by_user_uuid,'') || ' ' || coalesce(pipeline_template_uuid,'') || ' ' || coa
lesce(name,'') || ' ' || coalesce(components::text,'') || ' ' || coalesce(properties::text,'') || ' ' || coale
sce(state,'') || ' ' || coalesce(components_summary::text,'') || ' ' || coalesce(description,''), 0, 1000000)
)")
-> 73.1543s
-- execute("DROP INDEX IF EXISTS pipeline_templates_full_text_search_idx")
-> 0.0090s
-- execute("CREATE INDEX pipeline_templates_full_text_search_idx ON pipeline_templates USING gin(to_tsvector('
english', substr(coalesce(uuid,'') || ' ' || coalesce(owner_uuid,'') || ' ' || coalesce(modified_by_client_uui
d,'') || ' ' || coalesce(modified_by_user_uuid,'') || ' ' || coalesce(name,'') || ' ' || coalesce(components::
text,'') || ' ' || coalesce(description,''), 0, 1000000)))"
-> 1.2197s
-- execute("DROP INDEX IF EXISTS workflows_full_text_search_idx")
-> 0.0054s
-- execute("CREATE INDEX workflows_full_text_search_idx ON workflows USING gin(to_tsvector('english', substr(c
oalesce(uuid,'') || ' ' || coalesce(owner_uuid,'') || ' ' || coalesce(modified_by_client_uuid,'') || ' ' || co
alesce(modified_by_user_uuid,'') || ' ' || coalesce(name,'') || ' ' || coalesce(description,''), 0, 1000000))
")
-> 0.0231s
== 20180917200000 ReplaceFullTextIndexes: migrated (154.0194s) =====

== 20180917205609 RecomputeFileNamesIndex: migrating =====
WARNING: there is already a transaction in progress
rake aborted!
StandardError: An error has occurred, this and all later migrations canceled:

PG::ProgramLimitExceeded: ERROR: string is too long for tsvector (1099830 bytes, max 1048575 bytes)
: update collections set file_names=$1 where portable_data_hash=$2
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_ada
pters/postgresql_adapter.rb:602:in `exec_prepared'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_ada
pters/postgresql_adapter.rb:602:in `block in exec_cache'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_ada
pters/abstract_adapter.rb:484:in `block in log'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activesupport-4.2.10/lib/active_support/notification
s/instrumenter.rb:20:in `instrument'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_ada
pters/abstract_adapter.rb:478:in `log'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_ada
pters/postgresql_adapter.rb:601:in `exec_cache'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_ada
pters/postgresql_adapter.rb:585:in `execute_and_clear'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_ada
pters/postgresql/database_statements.rb:160:in `exec_query'
/var/www/arvados-api/current/db/migrate/20180917205609_recompute_file_names_index.rb:9:in `block in do_batch'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/relation/deleg
ation.rb:46:in `each'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/relation/deleg
ation.rb:46:in `each'
/var/www/arvados-api/current/db/migrate/20180917205609_recompute_file_names_index.rb:8:in `do_batch'
/var/www/arvados-api/current/db/migrate/20180917205609_recompute_file_names_index.rb:40:in `block in up'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/relation/deleg
ation.rb:46:in `each'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/relation/deleg
ation.rb:46:in `each'
/var/www/arvados-api/current/db/migrate/20180917205609_recompute_file_names_index.rb:35:in `up'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:6
11:in `exec_migration'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:5
92:in `block (2 levels) in migrate'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:5
91:in `block in migrate'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_ada
pters/abstract/connection_pool.rb:292:in `with_connection'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:5
90:in `migrate'

```

```
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:768:in `migrate'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:1023:in `block in execute_migration_in_transaction'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:1069:in `block in ddl_transaction'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_adapters/abstract/database_statements.rb:213:in `block in transaction'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_adapters/abstract/transaction.rb:184:in `within_new_transaction'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_adapters/abstract/database_statements.rb:213:in `transaction'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/transactions.rb:220:in `transaction'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:1069:in `ddl_transaction'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:1022:in `execute_migration_in_transaction'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:984:in `block in migrate'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:980:in `each'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:980:in `migrate'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:823:in `up'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:801:in `migrate'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/tasks/database_tasks.rb:139:in `migrate'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/railties/databases.rake:44:in `block (2 levels) in <top (required)>'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/rake-12.3.1/exe/rake:27:in `<top (required)>'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/cli/exec.rb:75:in `load'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/cli/exec.rb:75:in `kernel_load'

/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/cli/exec.rb:28:in `run'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/cli.rb:424:in `exec'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/vendor/thor/lib/thor/command.rb:27:in `run'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/vendor/thor/lib/thor/invocation.rb:126:in `invoke_command'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/vendor/thor/lib/thor.rb:387:in `dispatch'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/cli.rb:27:in `dispatch'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/vendor/thor/lib/thor/base.rb:466:in `start'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/cli.rb:18:in `start'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/exe/bundle:30:in `block in <top (required)>'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/friendly_errors.rb:122:in `with_friendly_errors'
,
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/exe/bundle:22:in `<top (required)>'
/usr/local/rvm/gems/ruby-2.3.5/bin/bundle:23:in `load'
/usr/local/rvm/gems/ruby-2.3.5/bin/bundle:23:in `<main>'
/usr/local/rvm/gems/ruby-2.3.5/bin/ruby_executable_hooks:15:in `eval'
/usr/local/rvm/gems/ruby-2.3.5/bin/ruby_executable_hooks:15:in `<main>'
```

Caused by:

ActiveRecord::StatementInvalid: PG::ProgramLimitExceeded: ERROR: string is too long for tsvector (1099830 bytes, max 1048575 bytes)

: update collections set file_names=\$1 where portable_data_hash=\$2

```
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_adapters/postgresql_adapter.rb:602:in `exec_prepared'
```

```
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_adapters/postgresql_adapter.rb:602:in `block in exec_cache'
```

```
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_adapters/abstract_adapter.rb:484:in `block in log'
```

```
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_adapters/instrumenter.rb:20:in `instrument'
```

```
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_adapters/abstract_adapter.rb:478:in `log'
```

```
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_adapters/postgresql_adapter.rb:601:in `exec_cache'
```

```
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_adapters/postgresql_adapter.rb:585:in `execute_and_clear'
```

```
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_adapters/postgresql/database_statements.rb:160:in `exec_query'
```

```
/var/www/arvados-api/current/db/migrate/20180917205609_recompute_file_names_index.rb:9:in `block in do_batch'
```

```
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/relation/delegation.rb:46:in `each'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/relation/delegation.rb:46:in `each'
/var/www/arvados-api/current/db/migrate/20180917205609_recompute_file_names_index.rb:8:in `do_batch'
/var/www/arvados-api/current/db/migrate/20180917205609_recompute_file_names_index.rb:40:in `block in up'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/relation/delegation.rb:46:in `each'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/relation/delegation.rb:46:in `each'
/var/www/arvados-api/current/db/migrate/20180917205609_recompute_file_names_index.rb:35:in `up'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:611:in `exec_migration'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:592:in `block (2 levels) in migrate'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:591:in `block in migrate'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_adapters/abstract/connection_pool.rb:292:in `with_connection'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:590:in `migrate'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:768:in `migrate'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:1023:in `block in execute_migration_in_transaction'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:1069:in `block in ddl_transaction'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_adapters/abstract/database_statements.rb:213:in `block in transaction'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_adapters/abstract/transaction.rb:184:in `within_new_transaction'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_adapters/abstract/database_statements.rb:213:in `transaction'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/transactions.rb:220:in `transaction'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:1069:in `ddl_transaction'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:1022:in `execute_migration_in_transaction'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:984:in `block in migrate'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:980:in `each'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:980:in `migrate'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:823:in `up'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:801:in `migrate'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/tasks/database_tasks.rb:139:in `migrate'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/railties/databases.rake:44:in `block (2 levels) in <top (required)>'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/rake-12.3.1/exe/rake:27:in `<top (required)>'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/cli/exec.rb:75:in `load'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/cli/exec.rb:75:in `kernel_load'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/cli/exec.rb:28:in `run'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/cli.rb:424:in `exec'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/vendor/thor/lib/thor/command.rb:27:in `run'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/vendor/thor/lib/thor/invoke.rb:126:in `invoke_command'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/vendor/thor/lib/thor.rb:387:in `dispatch'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/cli.rb:27:in `dispatch'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/vendor/thor/lib/thor/base.rb:466:in `start'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/cli.rb:18:in `start'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/exe/bundle:30:in `block in <top (required)>'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/friendly_errors.rb:122:in `with_friendly_errors'
,
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/exe/bundle:22:in `<top (required)>'
/usr/local/rvm/gems/ruby-2.3.5/bin/bundle:23:in `load'
/usr/local/rvm/gems/ruby-2.3.5/bin/bundle:23:in `<main>'
/usr/local/rvm/gems/ruby-2.3.5/bin/ruby_executable_hooks:15:in `eval'
/usr/local/rvm/gems/ruby-2.3.5/bin/ruby_executable_hooks:15:in `<main>'
```

Caused by:

```
PG::ProgramLimitExceeded: ERROR: string is too long for tsvector (1099830 bytes, max 1048575 bytes)
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_adapters/postgresql_adapter.rb:602:in `exec_prepared'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_adapters/postgresql_adapter.rb:602:in `block in exec_cache'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_adapters/abstract_adapter.rb:484:in `block in log'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activesupport-4.2.10/lib/active_support/notification_s/instrumenter.rb:20:in `instrument'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_adapters/abstract_adapter.rb:478:in `log'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_adapters/postgresql_adapter.rb:601:in `exec_cache'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_adapters/postgresql_adapter.rb:585:in `execute_and_clear'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_adapters/postgresql/database_statements.rb:160:in `exec_query'
/var/www/arvados-api/current/db/migrate/20180917205609_recompute_file_names_index.rb:9:in `block in do_batch'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/relation/delegation.rb:46:in `each'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/relation/delegation.rb:46:in `each'
/var/www/arvados-api/current/db/migrate/20180917205609_recompute_file_names_index.rb:8:in `do_batch'
/var/www/arvados-api/current/db/migrate/20180917205609_recompute_file_names_index.rb:40:in `block in up'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/relation/delegation.rb:46:in `each'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/relation/delegation.rb:46:in `each'
/var/www/arvados-api/current/db/migrate/20180917205609_recompute_file_names_index.rb:35:in `up'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:611:in `exec_migration'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:592:in `block (2 levels) in migrate'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:591:in `block in migrate'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_adapters/abstract/connection_pool.rb:292:in `with_connection'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:590:in `migrate'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:768:in `migrate'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:1023:in `block in execute_migration_in_transaction'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:1069:in `block in ddl_transaction'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_adapters/abstract/database_statements.rb:213:in `block in transaction'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_adapters/abstract/transaction.rb:184:in `within_new_transaction'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/connection_adapters/abstract/database_statements.rb:213:in `transaction'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/transactions.rb:220:in `transaction'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:1069:in `ddl_transaction'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:1022:in `execute_migration_in_transaction'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:984:in `block in migrate'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:980:in `each'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:980:in `migrate'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:823:in `up'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/migration.rb:801:in `migrate'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/tasks/database_tasks.rb:139:in `migrate'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/activerecord-4.2.10/lib/active_record/railties/databases.rake:44:in `block (2 levels) in <top (required)>'
/var/www/arvados-api/shared/vendor_bundle/ruby/2.3.0/gems/rake-12.3.1/exe/rake:27:in `<top (required)>'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/cli/exec.rb:75:in `load'
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/cli/exec.rb:75:in `kernel_load'
```

```
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/cli/exec.rb:28:in `run'  
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/cli.rb:424:in `exec'  
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/vendor/thor/lib/thor/command.rb:27:in `run'  
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/vendor/thor/lib/thor/invoke.rb:126:in `invoke_command'  
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/vendor/thor/lib/thor.rb:387:in `dispatch'  
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/cli.rb:27:in `dispatch'  
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/vendor/thor/lib/thor/base.rb:466:in `start'  
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/cli.rb:18:in `start'  
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/exe/bundle:30:in `block in <top (required)>'  
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/lib/bundler/friendly_errors.rb:122:in `with_friendly_errors'  
,  
/usr/local/rvm/gems/ruby-2.3.5/gems/bundler-1.16.0/exe/bundle:22:in `<top (required)>'  
/usr/local/rvm/gems/ruby-2.3.5/bin/bundle:23:in `load'  
/usr/local/rvm/gems/ruby-2.3.5/bin/bundle:23:in `<main>'  
/usr/local/rvm/gems/ruby-2.3.5/bin/ruby_executable_hooks:15:in `eval'  
/usr/local/rvm/gems/ruby-2.3.5/bin/ruby_executable_hooks:15:in `<main>'  
Tasks: TOP => db:migrate  
(See full trace by running task with --trace)  
failed.  
dpkg: error processing package arvados-api-server (--configure):  
 subprocess installed post-installation script returned error exit status 1  
Errors were encountered while processing:  
 arvados-api-server  
E: Sub-process /usr/bin/dpkg returned an error code (1)  
Notice: /Stage[main]/Arvados-api-server/File[/var/www/qr1hi.arvadosapi.com]: Dependency Package[arvados-api-server] has failures: true  
Warning: /Stage[main]/Arvados-api-server/File[/var/www/qr1hi.arvadosapi.com]: Skipping because of failed dependencies  
Notice: /Stage[main]/Arvados-api-server/File[/var/www/qr1hi.arvadosapi.com/shared]: Dependency Package[arvados-api-server] has failures: true  
Warning: /Stage[main]/Arvados-api-server/File[/var/www/qr1hi.arvadosapi.com/shared]: Skipping because of failed dependencies  
Notice: /Stage[main]/Arvados-dns-server/Exec[ensure_unbound_conf.d_ownership]/returns: executed successfully
```

#16 - 12/04/2018 08:43 PM - Ward Vandewege

- Target version set to 2018-12-12 Sprint

#17 - 12/12/2018 02:32 PM - Tom Clegg

- Status changed from In Progress to Resolved

#18 - 12/12/2018 07:19 PM - Tom Clegg

- Related to Story #14611: [Epic] Site-wide search for text, filenames, data added

#19 - 02/21/2019 05:44 PM - Tom Morris

- Release set to 14

#20 - 03/22/2019 05:07 PM - Tom Clegg

- Related to Bug #14983: [API] searching for "test" on c97qk takes a long time added